NO COMPARE RETRIEVAL EFFECTIVENESS OF TRUNCATED, WEIGHTED VECTORS TO ORTHINAL VECTORS

Code	Provided By	WER
Human	NIST	0%
CUHTK-S1	Cambridge University	24.8%
Dragon98-S1	Dragon Systems	29.8%
ATT-S1	AT&T Labs	31.0%
NIST-B1	Carnegie Melon (CMU)	34.1%
SHEF-S1	Sheffield University	36.8%
NIST-B2	Carnegie Mellon (CMU)	46.9%
DERASRU-S2	DERA	61.5%
DERASRU-S1	DERA	66.2%

Fig. 2

Table 1: Transcriptions used in this study.

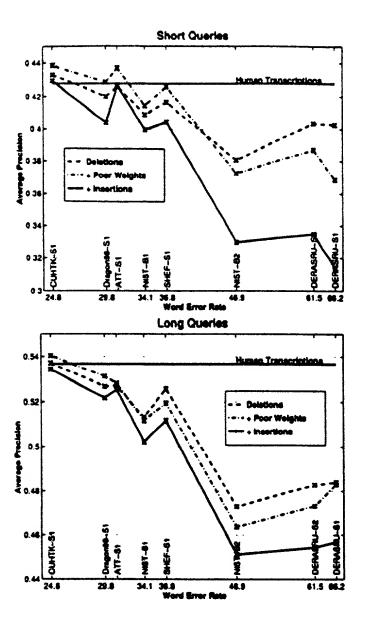


Figure 1: Losses due to different recognizer mistakes.

Fig. 3

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Degree of	α in Rocchio			
Expansion	0.5	1.0	1.5	2.0
0%	0.4739	0.4656	0.4591	0.4556
10%	0.4898	0.4834	0.4756	0.4708
20%	0.4938	0.4866	0.4813	0.4763
50%	0.4990	0.4977	0.4898	0.4800
100%	0.4992	0.4995	0.4952	0.4892
200%	0.4943	0.4974	0.4923	0.4858

Table 2: Parameter exploration for NIST-B1 (short queries).

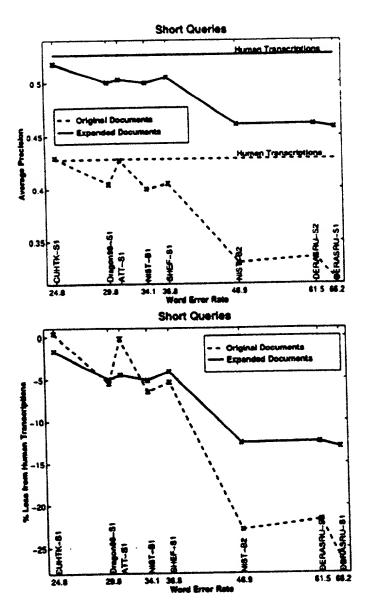


Figure 2: Document expansion for short queries.

Fig. 5

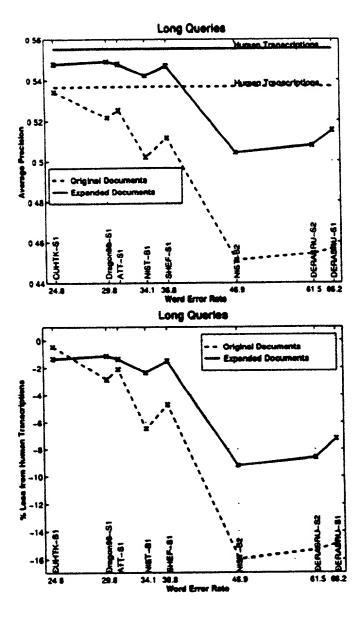


Fig. 6



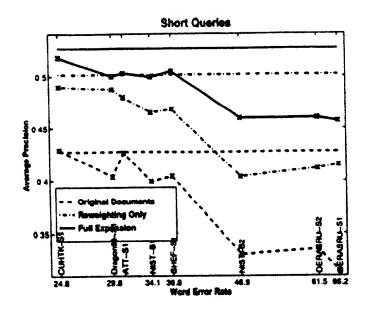


Fig. 7

